

October 20, 2004

**SUBJECT: HAZARDOUS WASTE BUREAU GPS/GIS SURVEY**

The New Mexico Environment Department's Hazardous Waste Bureau (HWB) is conducting a survey of the Global Positioning System (GPS) and Geographic Information System (GIS) technologies currently being used by New Mexico's hazardous waste treatment, storage, and disposal facilities. The HWB anticipates constructing a database and GIS of New Mexico's hazardous waste treatment, storage, and disposal facilities. Please complete the enclosed survey and return it to Ms. Cheryl Frischkorn at the address listed above. Completion and submission of the enclosed survey by December 24, 2004 would be greatly appreciated. This survey will also be posted on the HWB Internet site located at <http://www.nmenv.state.nm.us/hwb/>. HWB will be compiling this information by January 14, 2005. If you have any questions regarding this survey, please contact Cheryl Frischkorn of my staff at [cheryl\\_frischkorn@nmenv.state.nm.us](mailto:cheryl_frischkorn@nmenv.state.nm.us) or (505) 428-2550.

## HAZARDOUS WASTE BUREAU GPS/GIS SURVEY

Facility Name \_\_\_\_\_  
Facility EPA ID \_\_\_\_\_  
GPS/GIS Contact \_\_\_\_\_

1) How are your regulated sites currently being surveyed? (CIRCLE ALL THAT APPLY)

- a) traditional survey equipment (transit)
- b) GPS (Global Positioning System)--- recreational grade
- c) GPS---mapping grade
- d) GPS---survey grade
- e) other (please indicate) \_\_\_\_\_

2) What other surveying technologies have been used to locate regulated sites in the past? (CIRCLE ALL THAT APPLY)

- a) traditional survey equipment (transit)
- b) GPS---recreational grade
- c) GPS---mapping grade
- d) GPS---survey grade
- e) other (please indicate) \_\_\_\_\_

3) If the facility is currently using GPS technology, indicate the equipment manufacturer and model of the receiver(s) being used.

\_\_\_\_\_

\_\_\_\_\_

4) What coordinate system is currently being used by the facility? (CIRCLE ONE)

- a) state plane coordinate system
- b) latitude/longitude
- c) Universal Transverse Mercator (UTM)
- d) other (please indicate) \_\_\_\_\_

5) What horizontal datum is currently being used? (CIRCLE ONE)

- a) NAD27
- b) NAD83
- c) WGS84
- d) other (please indicate) \_\_\_\_\_

6) What is the estimated horizontal position accuracy for features currently being surveyed? (CIRCLE ONE)

- a) > 10 meters
- b) 5 to 10 meters
- c) 1 to 5 meters
- d) < 1 meter
- e) other (please indicate) \_\_\_\_\_

7) Does the facility have standard operating procedure (SOPs) for the collection of geospatial data? If yes, please submit a copy with the completed survey.

8) Does the facility currently utilize any geographical information systems (GIS)? If yes, please indicate software manufacturer and version used.

9) (OPTIONAL) Please provide a general description of the GIS layers created and/or utilized by the facility (e.g., SWMU layer, monitoring well layer, soil association layer, etc.). Use additional sheets as needed.

10) What format or type of spatial data does your facility work with (e.g., shape files, excel files, etc.)

11) Are personnel trained in collecting geospatial data using GPS technologies? Please describe training required.

12) Please include any additional information that may be helpful to this survey.